Semester II

20

HW 2 – Grade 11(Core)

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| **Name** |  | **Subject** | **Mathematics** |
| **Section** |  | **Due Date** | **12/2/2012** |

# Solving Polynomial Equations

**Factor completely. If the polynomial is not factorable, write *prime*.**

2*x*3*y* − *x*2*y* + 5*xy*2 + *xy*3 15*a*2*b* − 10*ab*2

*n*3 – 125 *m*4 − 1

4*f*2 – 64

**Write each expression in quadratic form, if possible.**

5*x*4 + 2*x*2 – 8 3*y*8 − 4*y*2 + 3

**Solve each equation.**

*a*3 − 9*a*2 + 14*a* = 0 *t*4 − 3*t*3 − 40*t*2 = 0

*b*3 − 8*b*2 + 16*b* = 0 *s*5 + 4*s*4 − 32*s*3 = 0

*n*4 − 49*n*2 = 0 *t*4 − 21*t*2 + 80 = 0